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EL PASO NATURAL GAS PRODUCTS COMPANY
POST OFFICE BOX 1161, EL PASO, TEXAS

July 31, 1959

ADDRESS REPLY TO:
POST OFFICE BOX 1565
FARMINGTON, NEW MEXICO

RECEIVED
AUG 3 1959
OIL CON. COM.
DIST. 3

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Dear Mr. Porter:

Attached is an application, together with the necessary information, for administrative approval of a well dually completed in the Gallup-Dakota Formations. The well, our Frontier No. 2-C (GD) is located 1750 Feet from the South and 890 Feet from the East of Section 5, Township 27N, Range 11W, NMPM, San Juan County, New Mexico. The well is located within one mile of a similarly dually completed well.

With regards to the Electric Log, we wish to request that the log be kept confidential, as it has not been released by the company as yet.

The Dakota Formation will be tied into a gas gathering system in the near future. Therefore, the approval of this application would be appreciated as soon as possible.

Very truly yours,

John J. Strojek

John J. Strojek
Petroleum Engineer

JJS:BW

cc: Mr. Emery Arnold
Mr. Phil McGrath, USGS
Mr. J. C. Vandiver

Enc: Application for Dual Completion (Original and Two)
Schematic Diagram of Dual Completion (3)
Plat Showing Offset Leases (3)
Packer Leakage Test (Original and Two)
Packer Affidavit (3)
Electric Log (3)

Copy of Letter to Offset Operators Mailed Your Office July 24, 1959.

COPY

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name: Undesignated Gallup - Dakota		County: San Juan	Date: July 24, 1959
Operator: El Paso Natural Gas Products Co.	Lease: Frontier		Well No.: 2-S (SD)
Location of Well: Unit: E	Section: 9	Township: 27N	Range: 11W

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES X NO ____
2. If answer is yes, identify one such instance: Order No. DC-772 ; Operator, Lease, and Well No.: El Paso Natural Gas Products Company, Frontier No. 2-S (SD), NW NW/4 Section 9, T27N, R11W.

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Lower Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	5834 - 5930	6506 - 6548
c. Type of production (Oil or Gas)	Oil	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

• c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*

Yes d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing addresses:

Aspinall Oil Company, 1170 Petroleum Club Building, Denver, Colorado.

Western Natural Gas Company, 1006 Main Street, Houston, Texas.

Approved waivers have not been returned by offset operators. [illegible] we will forward to you as quickly as possible.

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6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO ____. If answer is yes, give date of such notification July 24, 1959.

CERTIFICATE: I, the undersigned, state that I am the Agent of the El Paso Natural Gas Products Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

John J. Strojek

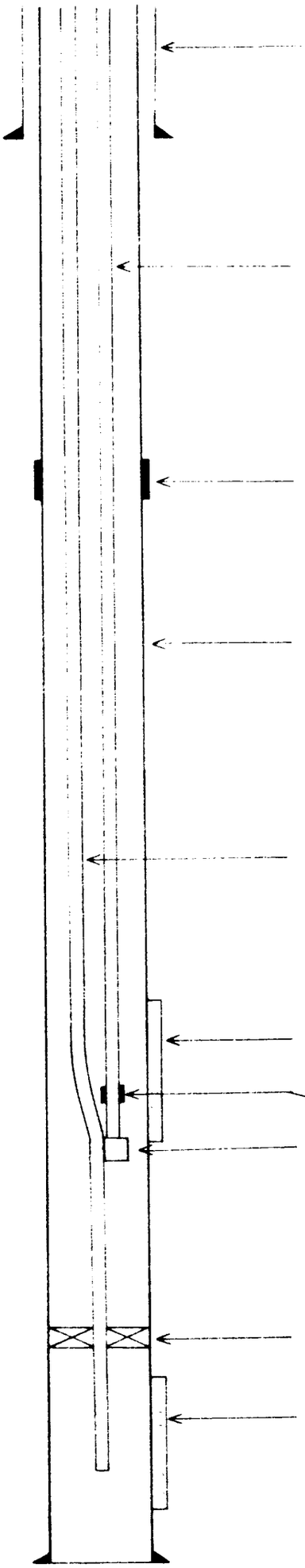
John J. Strojek Signature Petroleum Engineer

* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

EL PASO NATURAL GAS PRODUCTS COMPANY
SCHEMATIC DIAGRAM OF DUAL COMPLETION
FRONTIER NO. 2-C (GD)
NE SE Section 5, Township 27N, Range 11W

DUAL STRING
XMAS TREE



10-3/4", 32.75#, J-55, ST & C Surface Casing (161') set at 176' with 100 sacks cement circulated to surface.

Gallup Production Tubing 2-3/8", 4.70#, J-55, (5921') set at 5931' with Latching Sub Set in Baker Model 699 Parallel String Anchor. 5911' Integral Joint (Hardy-Griffin) EUE Tbg. with 10' Accessories.

Baker Model "J" Stage Cementing Collar Set at 2176'. Cemented with 100 sacks Cement. Top of Cement by Temperature Survey at 1700'.

7", 23.00# Production Casing (Lower 971' N-80, Upper 5627' J-55);set at 6610' with 200 sacks cement. Top of Cement by Radioactive Logging at 4430'.

Dakota Production Tubing 2-3/8" OD; 4.70#, J-55 (6434') set at 6445'. 10' Accessories; 6421' J-55 EUE Tbg.

Gallup Formation Perforated 5834'-5861' (4 sh./ft.) Sandoil Fractured with 37,100 Gals. Oil & 37,000# Sand. Perforated 5913'-5930' (4 sh./ft.). Sandoil Fractured with 46,200 Gals. Oil & 48,000# Sand.

Pump Seating Nipple (1-25/32" ID) @ 5924'.

Baker Model 699 Parallel String Anchor set in Dakota Production Tubing at 5932'.

Baker Model "D" Permanent Type Completion Packer Set at 6440'.

Dakota Formation Perforated 6506'-6548' (4 sh./ft.) Sandoil Fractured with 32,970 Gals. Oil & 31,000# Sand.

TD - 6616'
COTD - 6570'

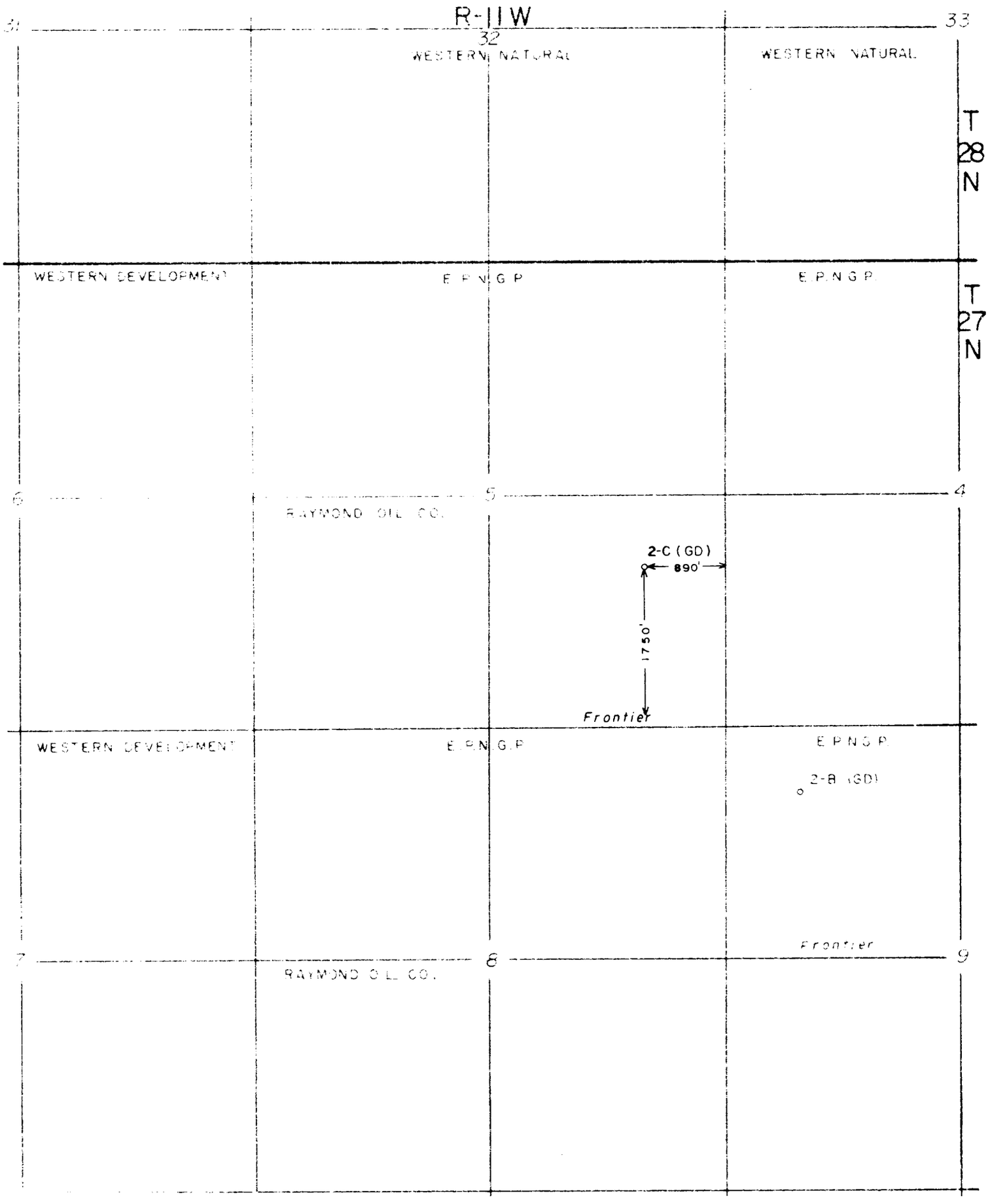
EL PASO NATURAL GAS PRODUCTS CO.

Plat showing offset leases to the

FRONTIER No. 2-C (Gallup-Dakota)

NE, SE, Sec. 5, T27N — R11W

SCALE: 2" = 1 mile



STATE OF NEW MEXICO)
)
COUNTY OF SAN JUAN)

I, Earl S. Brown, being first duly sworn upon my oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on June 20, 1959, I was called to the location of the El Paso Natural Gas Products Company Frontier No. 2-C (GD) (Well Number) Well located in the NE/4 SE/4 of Section 5, Township 27N, Range 11W, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "D" Production Packer was set in this well at 6,440 feet in accordance with the usual practices and customs of the industry

Earl S. Brown

Sales and Service Engineer

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 21st day of July, 1959

Paul W Bowers

Notary Public in and for San Juan County, New Mexico.

My Commission expires ~~xxxxxxxxxxxxxx~~ July 29, 1959